Cincinnati Bike Plan

ToolDesignGroup

Public Open House

October 8, 2009

Presentation Outline

- Introduce Consultant Team and Our Experience
- Describe the Study Methods and Outcomes
  - Tasks
  - Deliverables
  - Project schedule
- Answer The Question--

  "What will this plan achieve?"
  - Focus on Streets and Roads
  - Address Policies that Guide Street Design
  - Include an Implementation Plan
  - Address Programming Needs in the Related Areas of Education, Enforcement and and Encouragement

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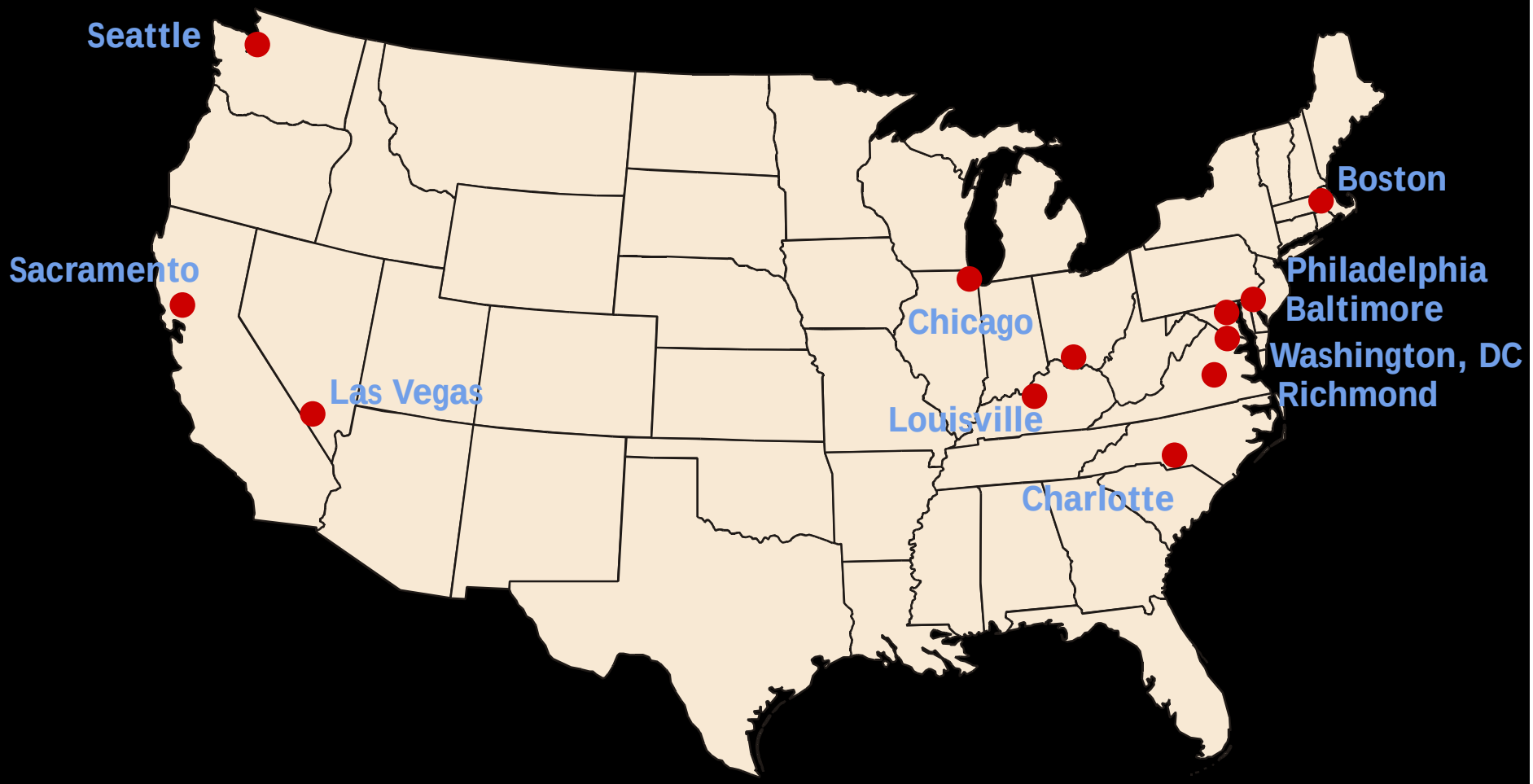
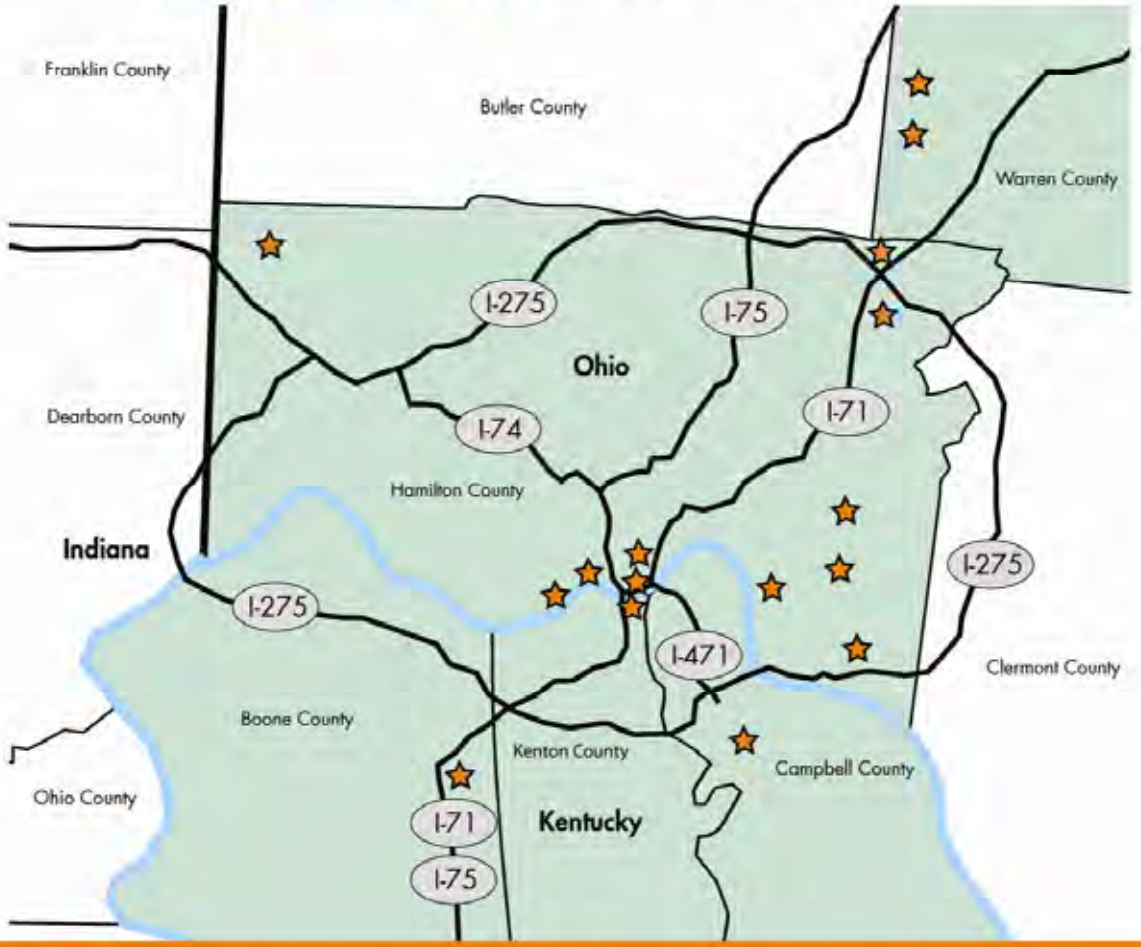


KZFDESIGN

Cincinnati Area Bike Facilities



PROJECT LISTING

Beechmont Avenue; from Burney Ln to 275
Bethany Road; Butler-Warren Rd to City of Mason limit
Cincinnati Central Riverfront Park
Cincinnati Bicycle Master Plan
Ewing Blvd, Florence, KY
Fields Ertel Rd; Reed Hartman Road to Wilkens Boulevard
Five Mile Shared-Use Trail
Lunken Airport/Salem Rd Shared-Use Trail
Montgomery Rd; Cross County Highway to Little Miami
Murray Rd; Village of Fairfax
Nixon Street; Eden Ave to Vine St
Newport Floodwall
Oxford Area Trails - O Loop Plan
River Road; Fairbanks Rd to State Rd
US Route 27, south Campbell County, KY
US Route 42, Reading Rd from Butler-Warren to Tylersville
Waldvogel Viaduct
Wooster-Mariemont Connector Bike Trail

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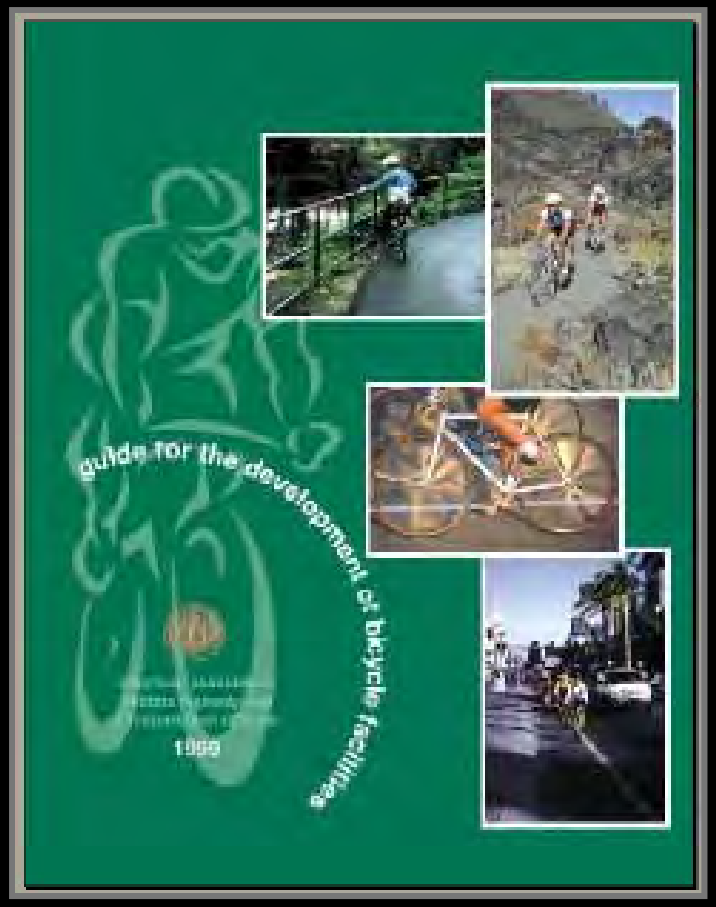
TDG Team Experience

Federal/State/Local Guidelines



- AASHTO Guide for the Development of Bicycle Facilities (TDG is currently revising)
- Intimately familiar with FHWA, MUTCD, AASHTO and ITE manuals and standards
- AASHTO Guide for the Planning, Design and Operation of Pedestrian Facilities (J. Toole co-author)
- MUTCD (Bill Schultheiss-Bicycle Subcommittee)
- APBP Bicycle Parking Guidelines

Participants in the Planning Process

- The Public
- Stakeholders
  - Various City Departments
  - Bicycle and Civic Advocacy Organizations
  - Business & Neighborhood Reps.
- Project Consultants
- Advisory Team
- Project Manager and Lead Agency
  - Melissa McVay
  - Department of Transportation and Engineering

Bike Plan Advisory Team

TDG Project Team

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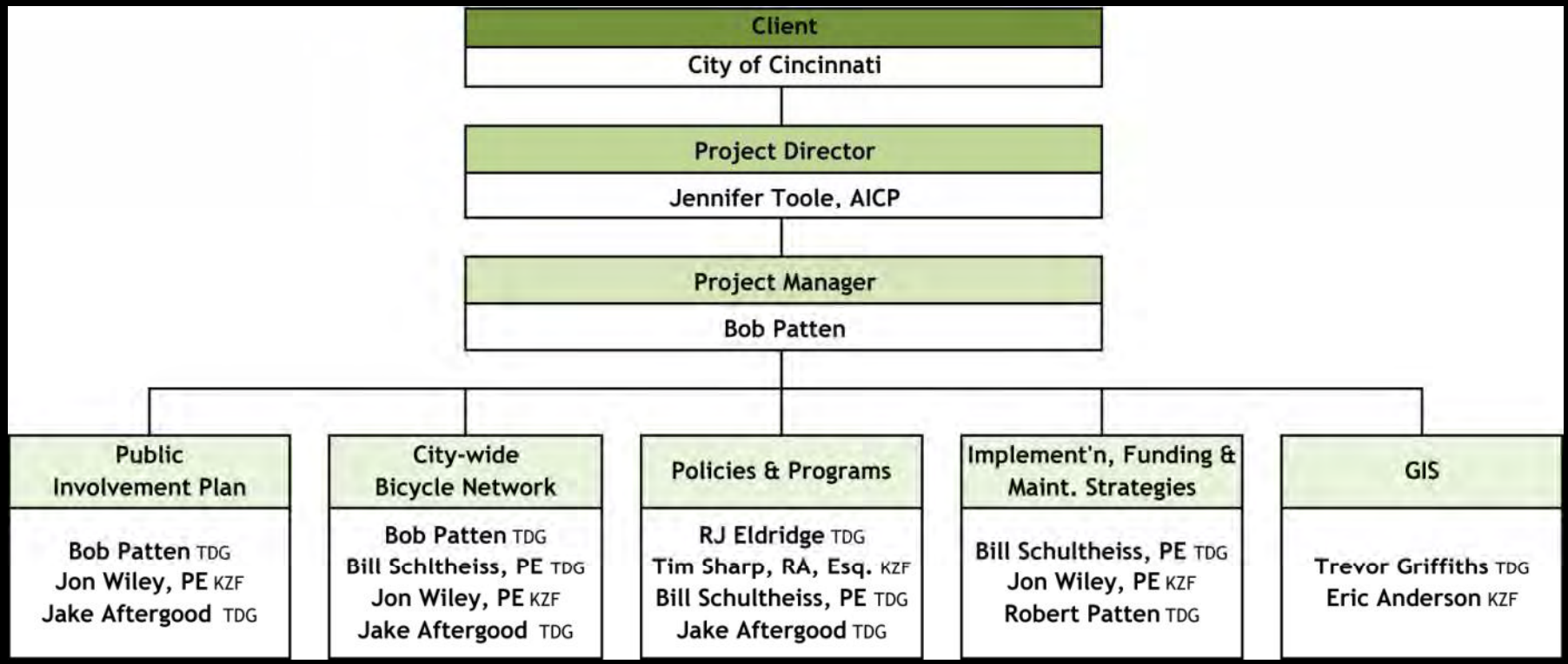

Team Members

Jon Wiley, KZF

Eric Anderson, KZF

Bill Schultheiss, TDG

Trevor Griffiths, TDG

RJ Eldridge, TDG

Robert Patten
Project Manager

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Recent Experience

- **Baltimore Bicycle Master Plan & Implementation**
- **Maryland State Strategic Trail Plan**
- **Anacostia River Trail System-Planning and Design**
- **Richmond Regional Bicycle and Pedestrian Plan**
- **Fairfax County, VA Bicycle Suitability Map**

Planning Tasks

Task 1: Kick-off

Task 2: Public Outreach

Task 3: Existing Conditions

Task 4: Develop a Proposed Network

- Implementation Strategies
- Cost Estimates

Task 5a: Develop Program Ideas--education, safety, and enforcement

Task 5b: Develop Policies/Procedures for ongoing Planning, Design, Funding, and Maintenance

Task 6 & 7: Draft & Final Report w/ Maps

KICK-OFF

- Held Advisory Team and Stakeholder meetings
- Received and reviewed City's GIS data
- Went on a ride with local cyclists
- Observed cyclists and cycling conditions

IMPLEMENTING THE PUBLIC INVOLVEMENT PLAN

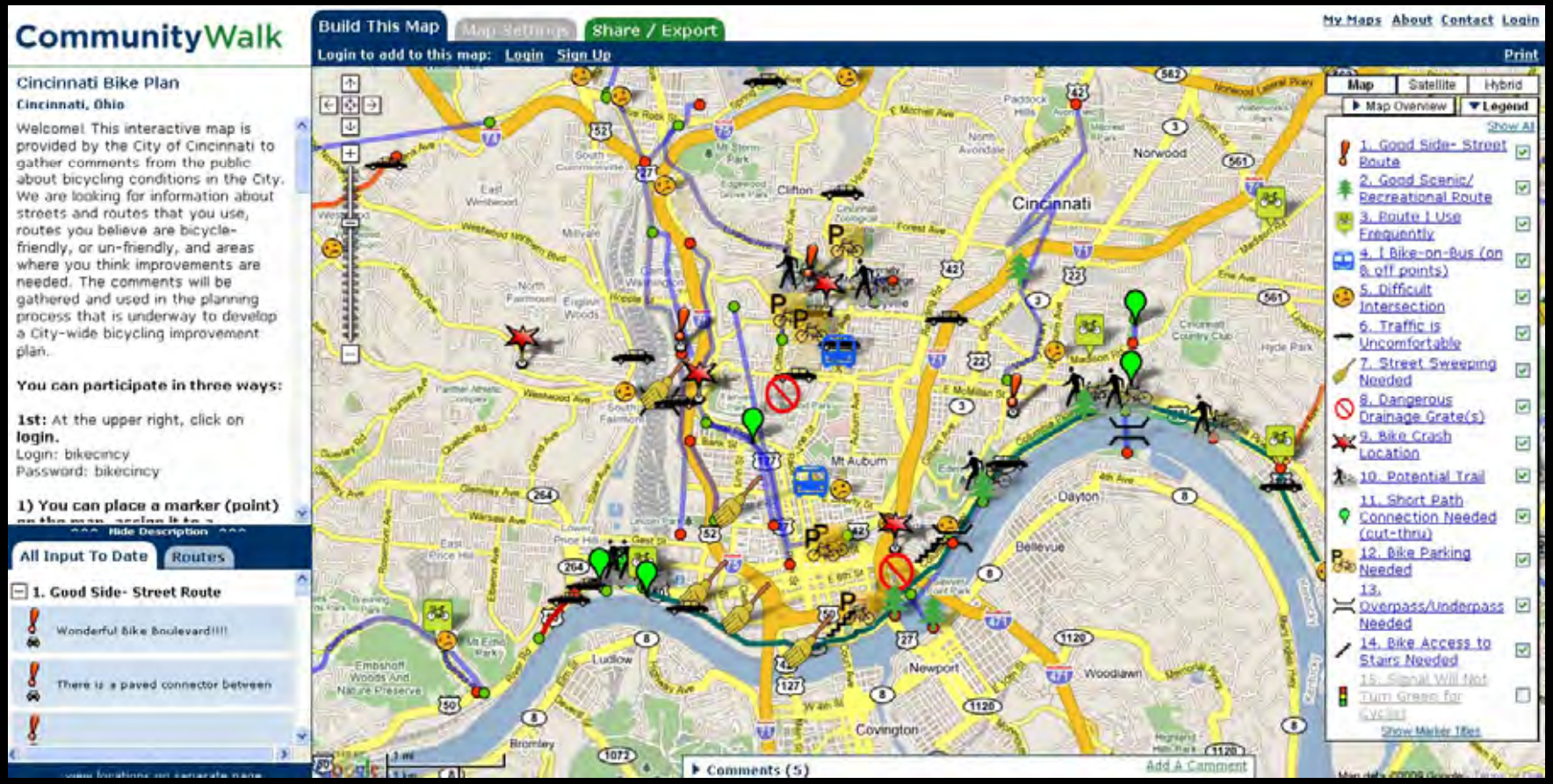
- Public Meeting/Open House (October 8, 2009)
- 2 Neighborhood Bike Rides (Next one is October 10, 2009)
- Workshop for Stakeholders (mid-February)
- Public Presentation of the Draft Plan (late April, early May)
- Community “Walk” Map (interactive / online) (September / October)
- Online Questionnaire

PUBLIC INVOLVEMENT – Open House

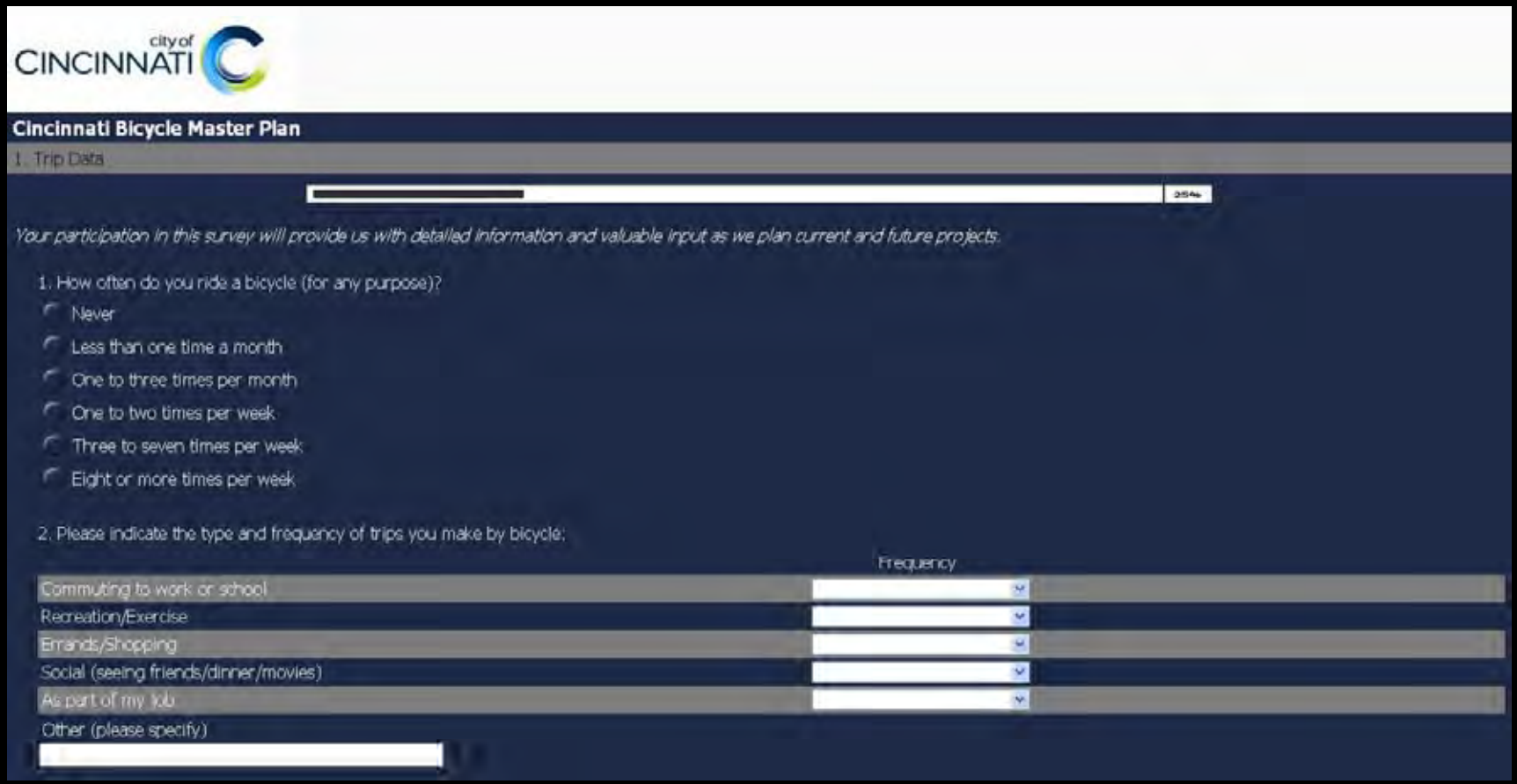
- October 8, 2009
- Thursday Evening, 7 pm
- Northside Recreation Center

- What is a Bikeway Network?
- What should the goals of the Bike Plan be?
- Where do you want to see improvements in bicycling conditions?
- What does Cincinnati need to do to increase cycling activity?

PUBLIC INVOLVEMENT – Community "Walk" Mapping



PUBLIC INVOLVEMENT – Survey



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Cincinnati Bicycle Master Plan

1. Trip Data

Your participation in this survey will provide us with detailed information and valuable input as we plan current and future projects.

1. How often do you ride a bicycle (for any purpose)?

- Never
- Less than one time a month
- One to three times per month
- One to two times per week
- Three to seven times per week
- Eight or more times per week

2. Please indicate the type and frequency of trips you make by bicycle:

	Frequency
Commuting to work or school	
Recreation/Exercise	
Errands/Shopping	
Social (seeing friends/dinner/movies)	
As part of my job	

Other (please specify)

PUBLIC INVOLVEMENT – Neighborhood Rides

- Saturday, October 10, 2009
  - Clifton
  - Univ. of Cincinnati Area
  - Northside
  - Spring Grove Avenue

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PUBLIC INVOLVEMENT – Four E's Workshop

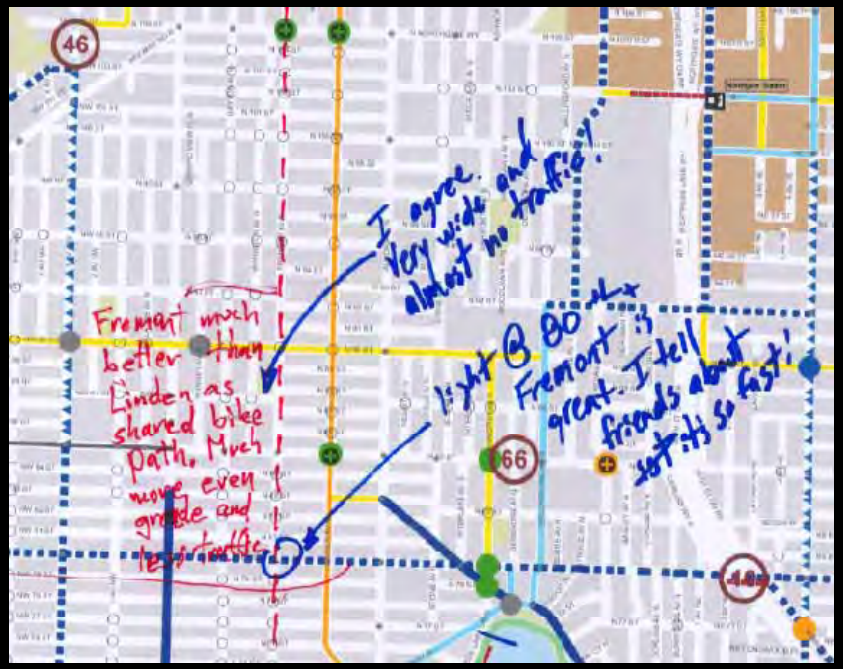
- Mid-February, 2010
- Stakeholders
- Programs that address cycling
  - Encouragement
  - Education (safety)
  - Enforcement
  - Evaluation

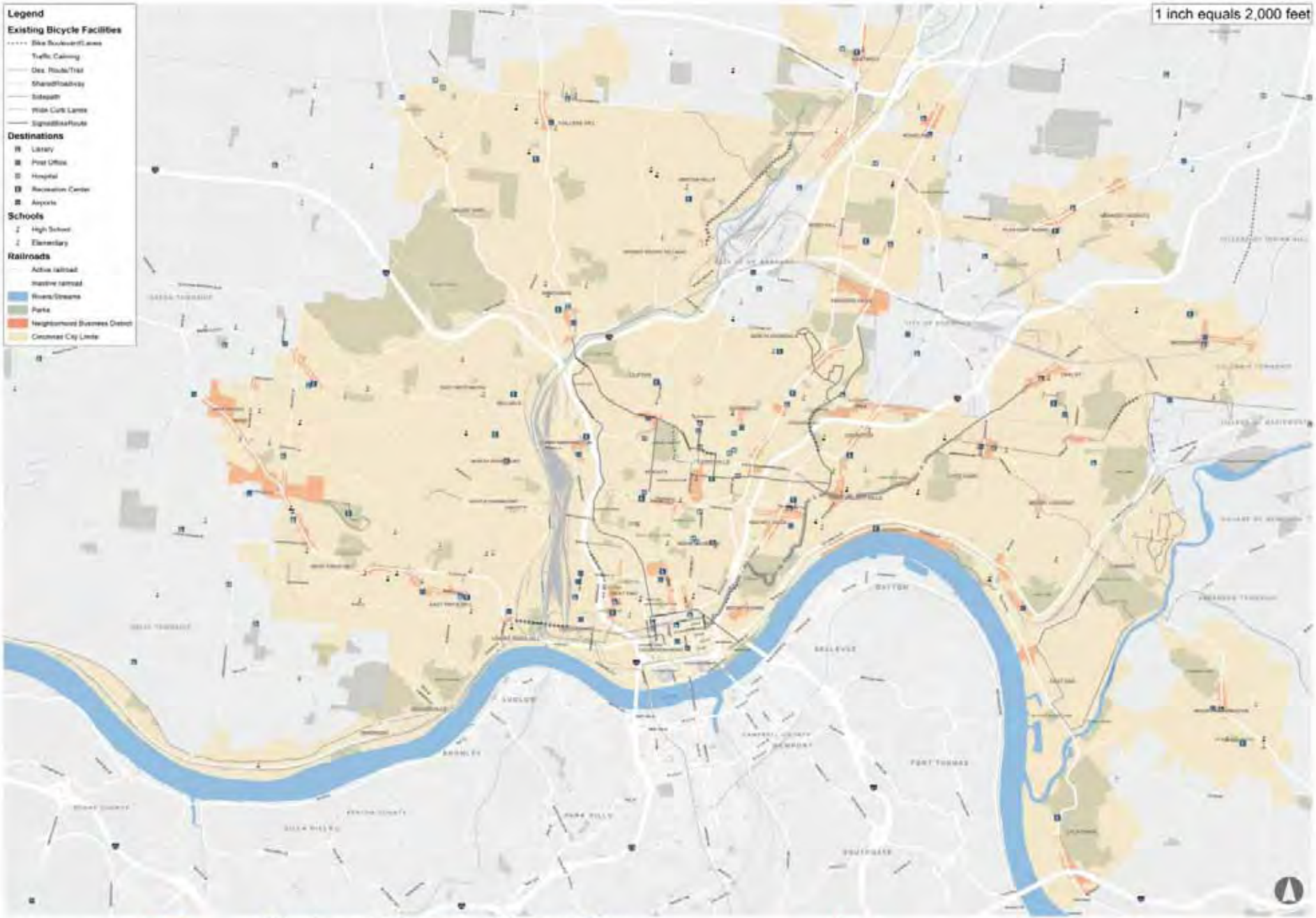
SETTING GOALS

- Double the number of people bicycling for transportation in 5 years.
- Reduce annual bicycle/motor vehicle crashes by 50 percent in 3 years.
- Complete a City-wide trails master plan within 3 years.
- Include bicycle accommodations in at least 50% of repaving projects and 50% of street rehabilitation/reconstruction projects beginning in 2011.
- Develop and grow a bicycle skills and safety education program that within 10 years reaches 75% of public and private elementary school students.
- By 2015, apply for and receive Bronze status as an LAB Bicycle Friendly Community.

EXISTING CONDITIONS ANALYSIS

- Gather input from the public
- Conduct a review in the field
- Analyze Bicyclists Crash Data
- Topography
- Latent Demand for Bicycle Usage
- Bus Routes
- Street Conditions
- Barriers





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Cincinnati Bikeway Master Plan

Existing Conditions Map

September 10, 2009

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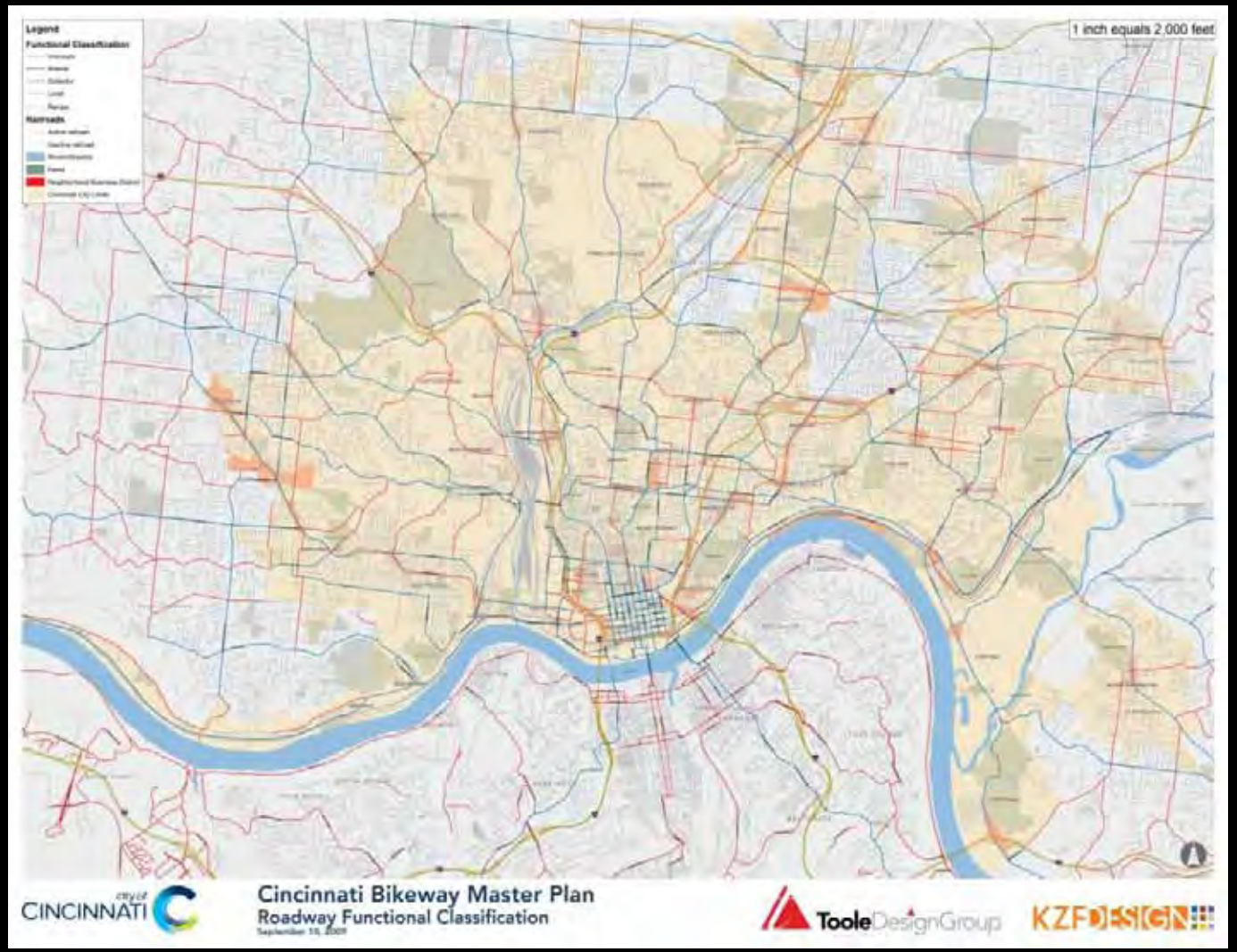
DEVELOP A NETWORK OF BICYCLE FACILITIES AND ROUTES

--Study Arterial and Collector Streets (~300 mi.)



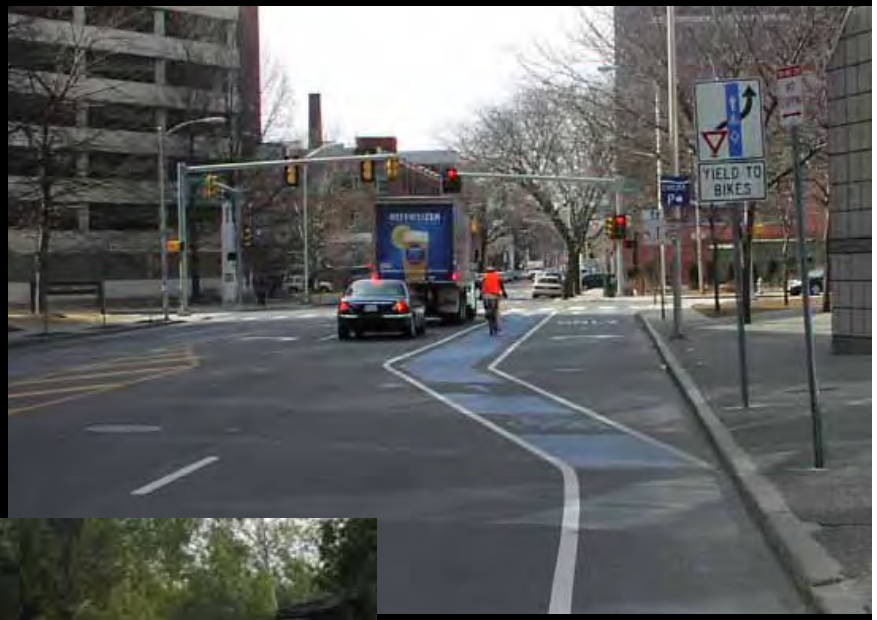
DEVELOP A NETWORK OF BICYCLE FACILITIES AND ROUTES

- Looking for the potential to change street conditions.
  - Street/ROW width
  - No. & width of travel lanes
  - Traffic volumes
  - Turning movements
  - Posted speed limit
  - Parking
  - Bus route, stops
  - Pavement quality
  - Plans for street paving or reconstruction
  - Medians, sidewalks & buffers
  - Intersection conditions

DEVELOP A NETWORK OF BICYCLE FACILITIES AND ROUTES

- A Network is a set of streets that provide a "more than basic" accommodation for bicycle travel.
  - Bike Lanes
  - Shared Lane Markings
  - Wide Outside Lanes
  - Changes in motor vehicle parking
  - Signed Routes
  - Intersection improvements
  - Shared Use Paths (Trails)
  - Bike on Sidewalk Accommodations

Bike Lanes



Shared Lane Markings (Sharrows)

Improve Bicycle Route Crossings of Multi-Lane Arterials

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Climbing Lanes

Bus/Bike Lanes

Wide Outside Lanes/Rush Hour Restricted Parking Lanes

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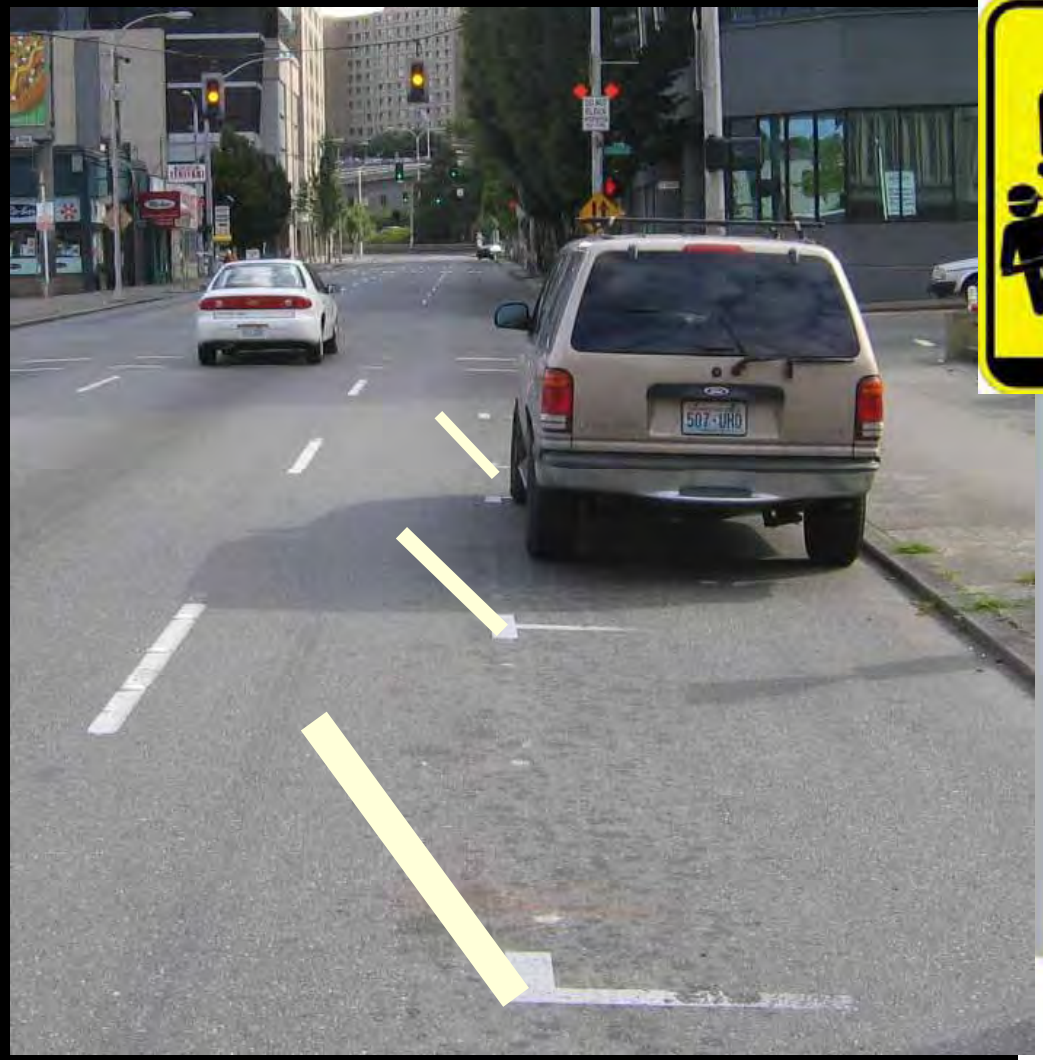

Signed Routes, Wayfinding on the Pavement & Bicycle Boulevards

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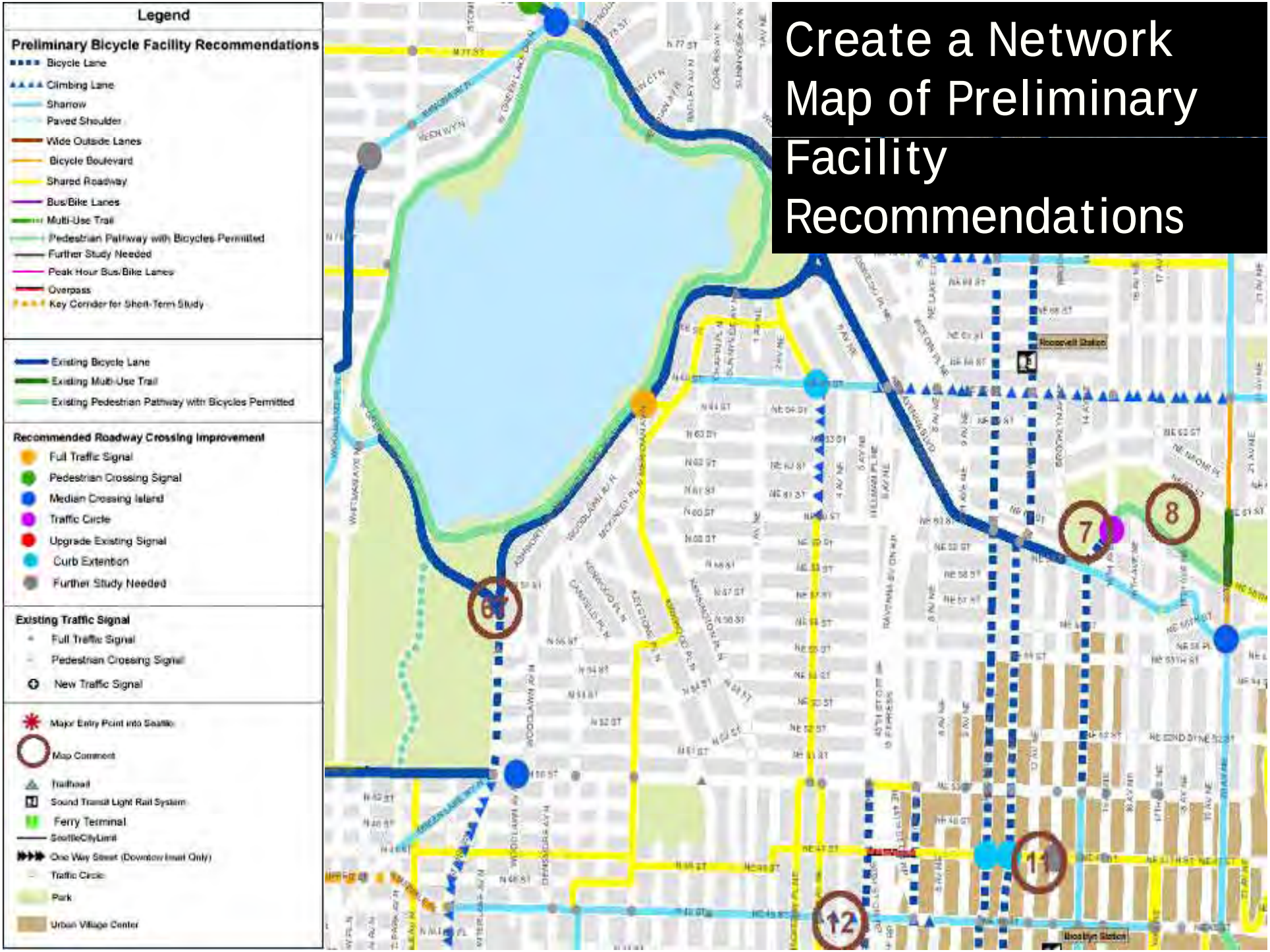
Road Diets

Road Diets

Create a Network Map of Preliminary Facility Recommendations



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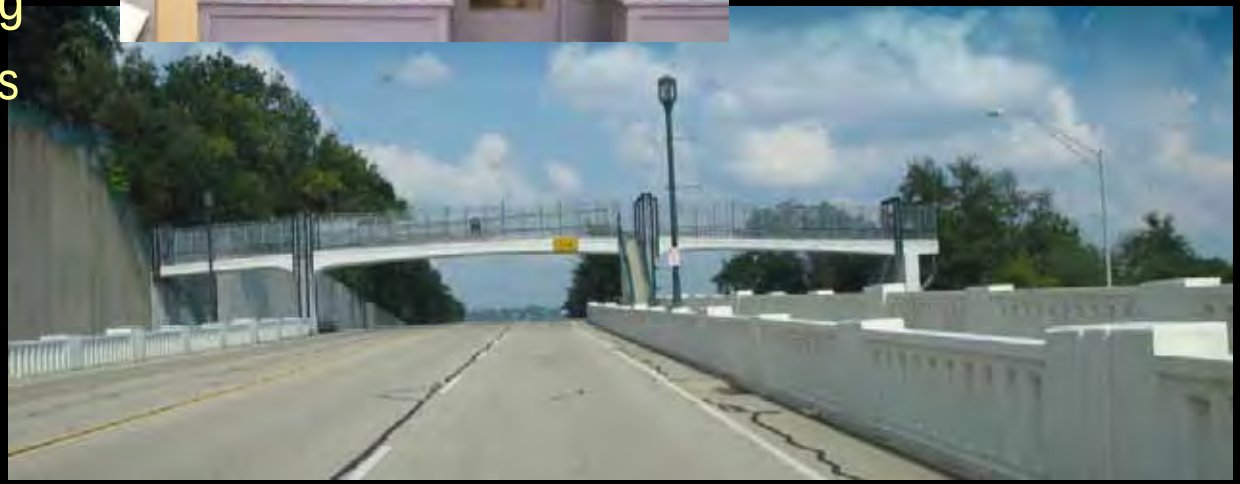
RECOMMEND COMPLEMENTARY INFRASTRUCTURE

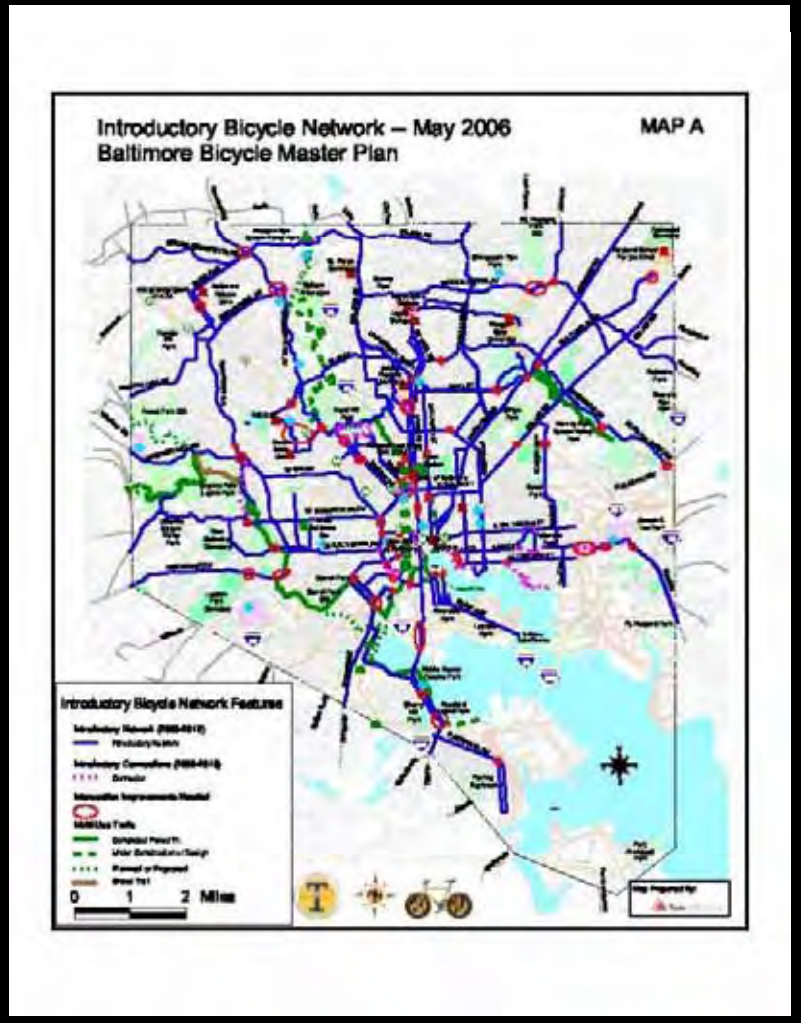
- Bike accessible push buttons where needed
- Detection at signals
- Bike boxes
- Bike turn lanes
- Transition ramps
- Covered bike parking
- Workplace amenities
- Bike sharing
- Bike Stations
- Overpasses and special connections



IMPLEMENTATION PLAN

- Implementation Strategies
- Phasing
- Cost Estimates

Physical Improvements								
Core Recommendation	**2005**	**2006**	**2007**	**2008**	**2009**	**2010**	**2015**	**Total**
Recommendation 1.1. Establish signed bicycle routes.	50 miles of bicycle route signs will be in place (including pre-existing routes)	65 miles of signed bicycle routes will be in place	75 miles of signed bicycle routes will be in place	85 miles of signed bicycle routes will be in place	95 miles of signed bicycle routes will be in place	100 miles of signed bicycle routes will be in place	130 miles of signed bicycle routes will be in place	
Cost (assumes 40 miles in place in 2004)	$10,000	$10,000	$10,000	$10,000	$10,000	$10,000	$60,000	$120,000
Recommendation 1.2. Provide bicycle lanes.	20 miles of bicycle lanes will be in place	35 miles of bike lanes will be in place.	40 miles of bike lanes will be in place.	50 miles of bike lanes will be in place.		60 miles of bike lanes will be in place.		
Cost (assumes 10 miles in place in 2004 and that half of the bike lane mileage will be completed as part of road reconstruction)	$200,000	$200,000	$200,000	$200,000	$200,000	$200,000	$1,000,000	$2,000,000
Recommendation 1.3. Complete Metropolitan Branch Trail.	Complete construction of 50% of trail. Complete design of entire trail.	Complete construction of 75% of the trail.	Complete construction of 100% of the trail.					
Cost	$9,000,000	$9,000,000	$9,000,000					$27,000,000
Recommendation 1.3. Complete Anacostia Trail.	Design Trail	Complete construction of 50% of the trail	Complete construction of 75% of the trail.	Complete construction of 100% of the trail.				
Cost	$2,000,000	$8,000,000	$8,000,000	$8,000,000				$26,000,000
Recommendation 1.4. Improve bridge access for bicyclists.	Identify bridges needing better bicycle access.	Improvements at 1 bridge complete.	Improvements at 2 bridges complete.	Improvements at 3 bridges complete.	Improvements at 4 bridges complete.	Improvements at 5 bridges complete.	Improvements at all bridges complete.	
Recommendation 1.5. Provide bicycle parking in public space.	300 bicycle parking racks in place.	400 bicycle parking racks in place.	700 bicycle parking racks in place.	800 bicycle parking racks in place.	900 bicycle parking racks in place.	1000 bicycle parking racks in place.	2000 bicycle parking racks in place.	
Cost (assumes 200 racks in place in 2004)	$100,000	$30,000	$30,000	$30,000	$30,000	$30,000	$300,000	$550,000
Recommendation 1.6. Encourage bicycle parking in private space.	Conduct outreach to building owners and garage operators.	Continue outreach and conduct enforcement against non-compliers.	Continue outreach and conduct enforcement against non-compliers.	Continue outreach and conduct enforcement against non-compliers.	Continue outreach and conduct enforcement against non-compliers.	All garage and other off-street parking in compliance.		



IMPLEMENTATION PLAN

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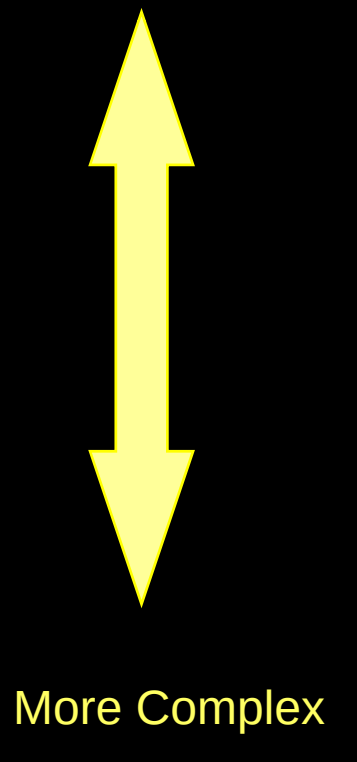
How do we get on-road bike facilities?

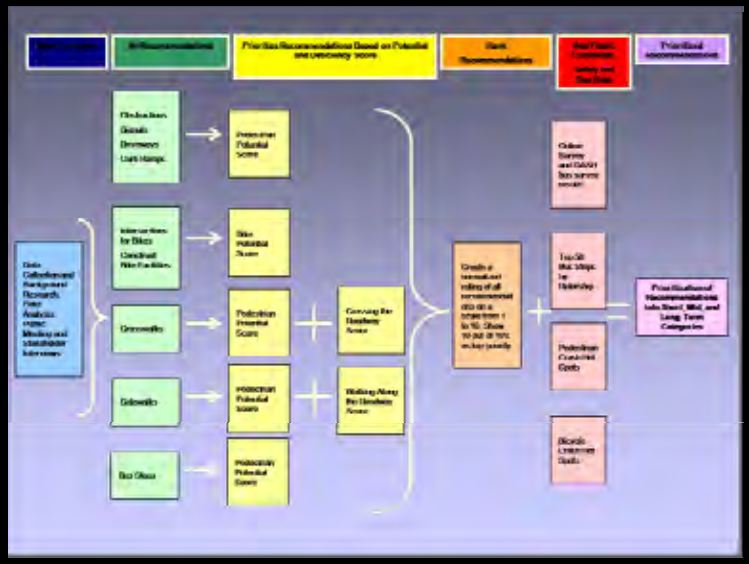
- Add striping when repaving
- Roadway Restriping (Lane Diet)
- Road /Lane Diet
- Pave Shoulder
- Consolidate Parking
- Remove Parking
- Road Widening/Reconstruction



IMPLEMENTATION PLAN

Work with Transportation and Engineering Department and Advisory Team

- Draft prioritization methodology
- Draft map of prioritized routes/improvements



ROADWAY MANAGEMENT POLICIES & PROCEDURES

Examine and Coordinate with …

- Complete Streets Study
- Routine Project Planning / Facility Selection
- Facility Design Standards and Guidelines
- Maintenance Policies and Routines

FOUR E'S PROGRAM AREAS

- Safety Education
  - Media Campaigns
  - Youth Education
- Enforcement Strategies
- Encouragement
  - Bike Ambassadors
  - Bike Co-ops
  - Bike Culture Events
- Evaluation & Data Collection

FOUR E'S PROGRAM IDEAS

- Community Workshop, Mid-February
  - City Agency Staff
  - Business Community Leaders
  - Visitor/Conv. Bureau
  - Advocacy & Service Groups
  - Bike Shop Owners
  - MPO Representatives
  - City Council Members & Staff
  - Social Service Agencies
  - Health Agencies
  - University Transportation Programs
  - Transit Agencies
  - Neighborhood & Civic Leaders

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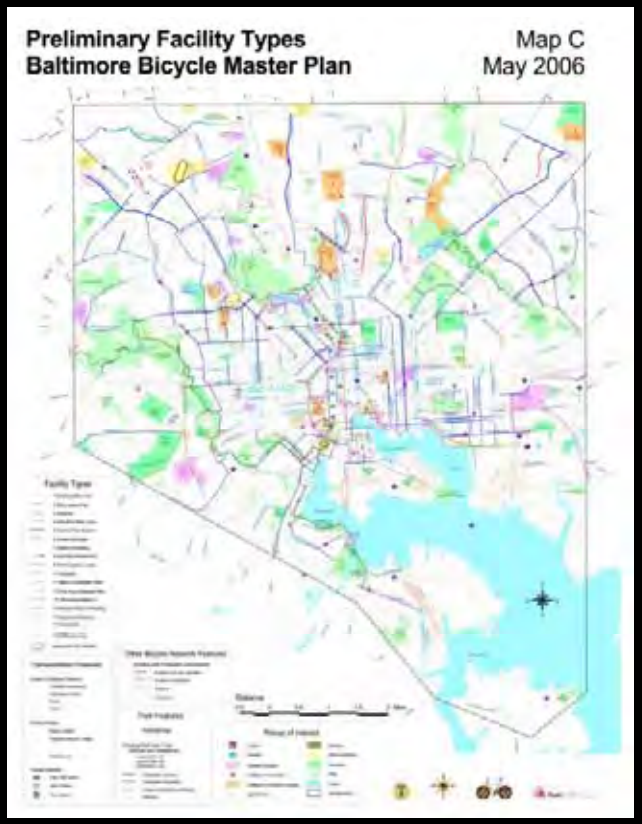
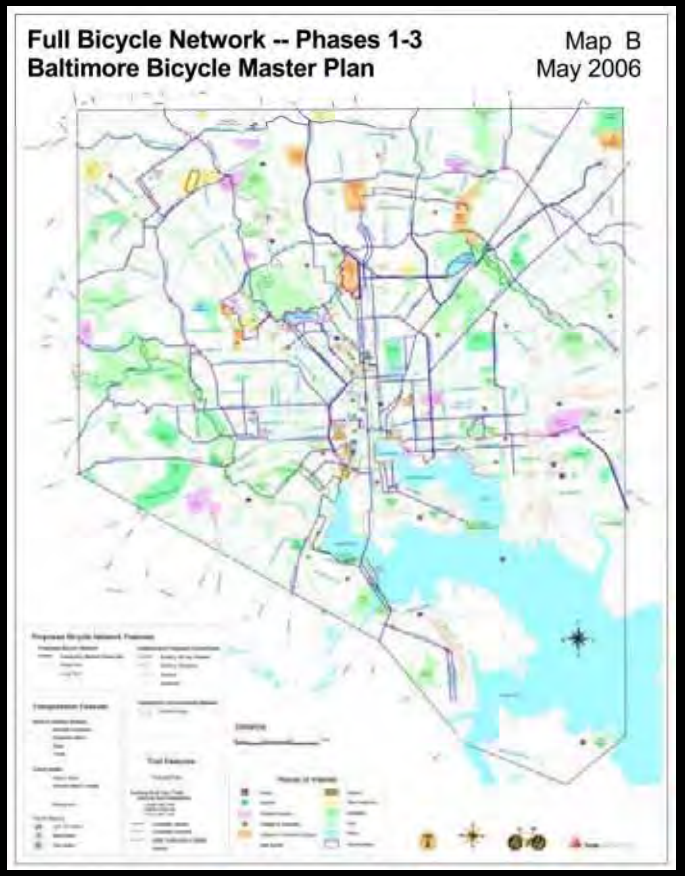
DRAFT FINAL REPORT

- Presented to Public in April
- Public support will be needed.





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FINAL REPORT

- Sent to City Council for review and action
  - May - June 2010
  - Economic Development Committee

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Questions?

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